

### Abstract

A configuration software tool is disclosed for analyzing circuit design violations detected by an E-CAD tool and proposing solutions. An E-CAD tool analyzes a circuit design and outputs violations of design specifications. The configuration tool reads the violations to identify symptoms. The configuration tool accesses a solutions database that stores solutions to common violations encountered with the design. Based on the symptoms, the configuration tool outputs possible solutions for each violation. The user selects one of the proposed solutions or another solution. Based on the selected solution, the configuration tool edits the configuration file of the E-CAD tool. Once all solutions are resolved, the E-CAD tool is re-run on the design. The configuration tool may be stored in a computer system that operates the E-CAD tool, or it may be stored in a remote location accessed by multiple computer systems, such as network server connected to the computer systems.